

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,977,684 B1  
APPLICATION NO. : 09/299874  
DATED : December 20, 2005  
INVENTOR(S) : Seiji Hashimoto et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2,

Line 62, "Fig. 5res" should read -- Figures --.

Column 4,

Line 13, "when" should read -- of an --; and

Line 55, "shows" should read -- show --.

Column 5,

Line 14, "and  $a_{21}$ ,  $a_{42}$ " should read -- and  $a_{21}$ ,  $a_{12}$  --.

Column 6,

Line 22, "and  $b_{31}$ " should read -- and  $b_{31}$ , --; and

Line 33, "incidents" should read -- incident --.

Column 8,

Line 7, "singlecrystalline" should read -- single crystalline --; and

Line 42, "Q=CV;" should read -- Q=CV, --.

Column 9,

Line 35, "provided-over" should read -- provided over --; and

Line 42, "of the" should read -- for --.

Column 10,

Line 31, "corresponding the" should read -- corresponding to the --.

Column 11,

Line 26, " $(C_{TSI})$ " should read --  $(C_{TSI})$  --; and

Line 58, "columns" should read -- column --.

Column 12,

Line 28, "an" should read -- a --;

Line 54, "becomes" should read -- become --; and

Line 67, "singlecrystalline" should read -- single crystalline --.

Column 13,

Line 12, " $57.96 \mu M^2$ ," should read --  $57.96 \mu m^2$ , --.

Column 15,

Line 17, "columns" should read -- column --.

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Column 16,

Lines 13 and 40, "symmetry" should read -- symmetrical --; and  
Line 64, "singlecrystalline" should read -- single crystalline --.

Column 17,

Lines 5 and 6, "symmetry" should read -- symmetrical --.

Column 20,

Line 40, " $(C_{SF})$ " should read --  $(C_{TN})$ , --; and  
Line 56, "period  $T_{151}$ " should read -- period  $T_{15}$ , --.

Column 21,

Line 2, "photodiode  $P_{12}$ " should read -- photodiode  $q_{12}$  --; and  
Line 12, "columns" should read -- column --.

Column 22,

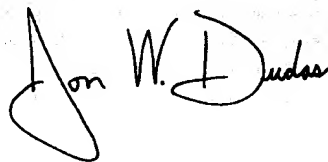
Line 19, "period  $T_{211}$ " should read -- period  $T_{21}$ , --;  
Line 41, "period  $T_{241}$ " should read -- period  $_{24}$ , --; and  
Line 58, "signal  $\phi TX_{00}$ " should read -- signal  $\phi TX_{00}$ ,--.

Column 26,

Line 24, "element" should read -- elements --.

Signed and Sealed this

Twenty-seventh Day of June, 2006



JON W. DUDAS  
Director of the United States Patent and Trademark Office